

FIGURE 1

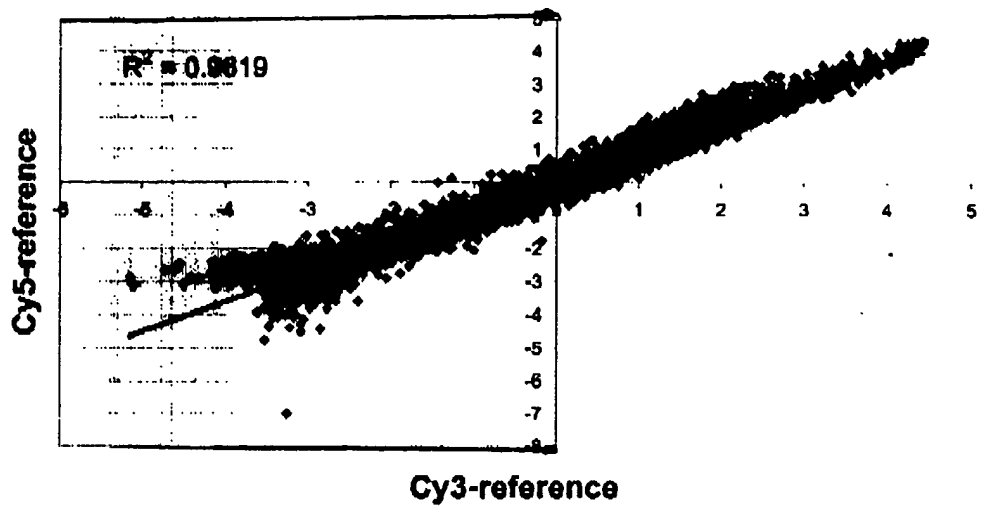
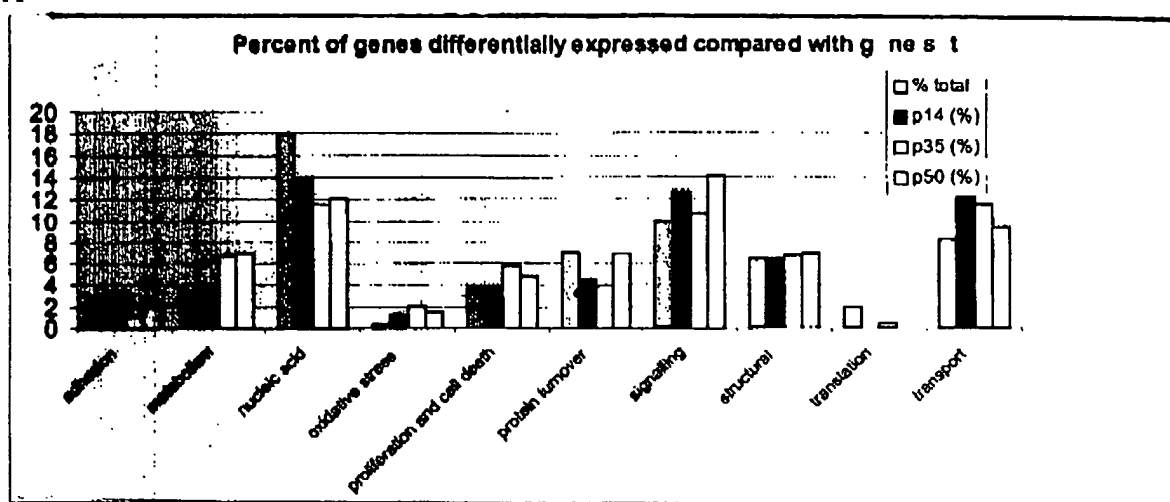


FIGURE 2

A



B

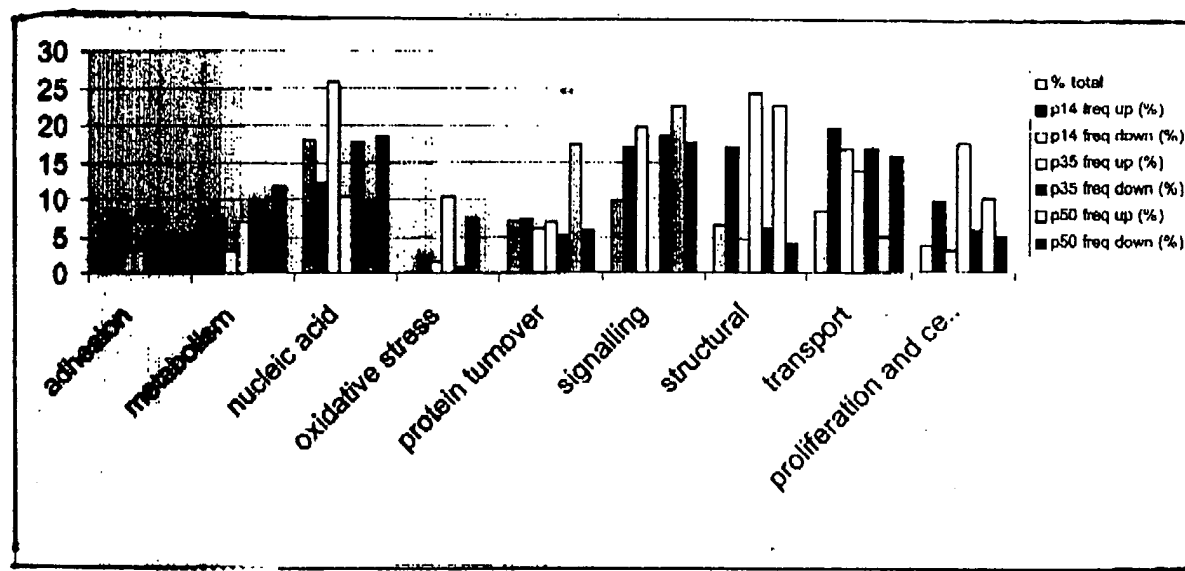


FIGURE 3

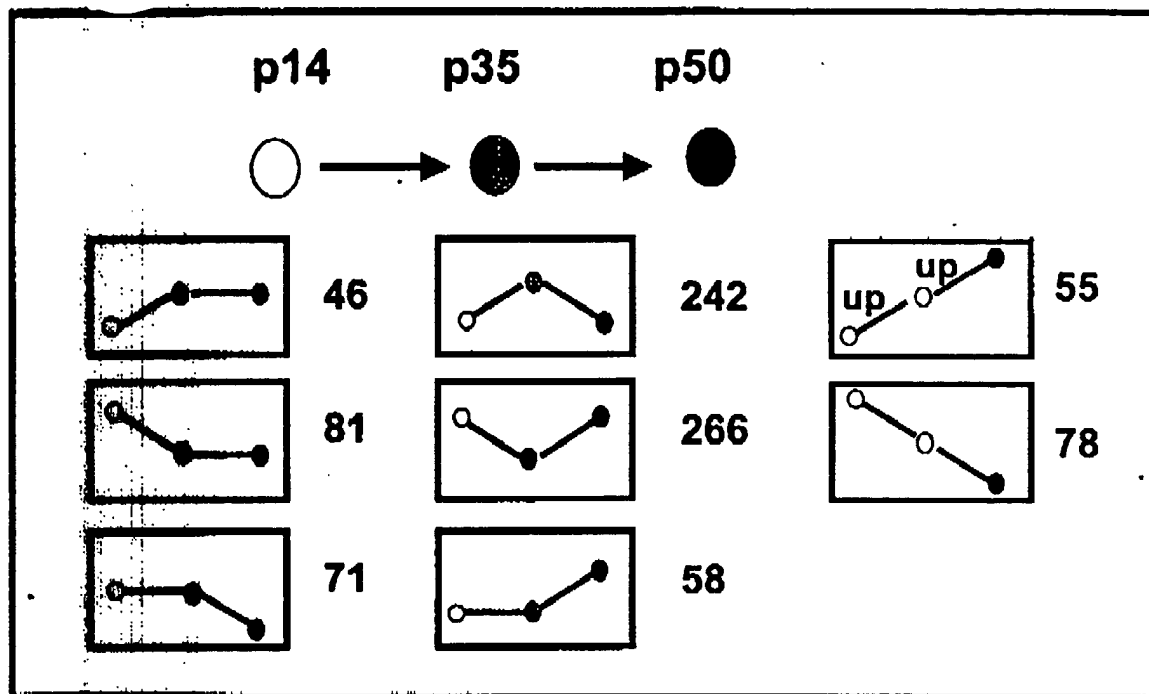


FIGURE 4

Figure 5. Differentially expressed genes at day 14.

<u>PN14 dm up-regulated gene list</u>	<u>Score</u>	<u>Acc</u>
ESTsMm 40262	1.0562136	Mm.233464
Mus musculus calcium binding protein 1	1.0612925	Mm.38551
M musculus ribonucleic acid binding protein S1 Rnps1	1.065849	Mm.1951
ESTsMm 10622	1.0664812	Mm.10622
contactin 3Mm 2968	1.0719244	Mm.2968
Mus musculus glycoprotein 38	1.0727065	Mm.2976
neurochondrinMm 43445	1.0744086	Mm.220885
no match8	1.0784484	NA
Mus musculus crystallin beta A4	1.0830055	Mm.40324
S100 protein beta polypeptide neuralMm 829	1.0830313	Mm.229247
Mm 37346	1.0846564	Mm.182202
chromogranin BMm 1339	1.0858155	Mm.1339
no match111	1.0870875	NA
glial fibrillary acidic proteinMm 1239	1.0892729	Mm.1239
Sugano mouse brain mncb MNCb 4842 5	1.0897842	Mm.45146
Mus musculus Ly6 neurotoxin 1	1.0917581	Mm.35270
ESTsMm 22801	1.0937977	Mm.5195
Human Chromosome 7 clone RP11 297N5	1.0956123	AC018643.3
proteolipid protein myelin Mm 1268	1.1002364	Mm.1268
ESTs Weakly similar to F2 alpha prostoglandin regulatory protein M musculus Mm 29860	1.1058038	Mm.29860
ESTsMm 28098	1.1109123	Mm.196153
Mus musculus fibroblast growth factor 13	1.1168761	Mm.7995
glutamate receptor ionotropic NMDA1 zeta 1 Mm 3292	1.1193776	Mm.3292
amyloid beta A4 precursor protein binding family A member 2Mm 4657	1.1220764	Mm.4657
ESTsMm 41808	1.1230946	Mm.3058
Mus musculus zinc finger transcription factor Kaiso mRNA complete cdsMm 100832	1.1291695	Mm.100832
R norvegicus mRNA for pro alpha 1 collagen type III	1.1300791	X70369
heat shock protein 25 kDa 2 cardiovascular Mm 103612	1.1337181	Mm.46181
Mus musculus hypothetical protein I54	1.1546655	Mm.1348
transcription factor 4Mm 4269	1.1595254	Mm.4269
ESTs Highly similar to ATP SYNTHASE DELTA CHAIN MITOCHONDRIAL PRECURSOR Rattus norvegicus Mm 22514	1.1600586	Mm.22514
M musculus vacuolar proton translocating ATPase 100 kDa subunit isoform a1 I	1.1679545	Mm.20869
selenoprotein P plasma 1Mm 22699	1.1793918	Mm.22699
solute carrier family 2 facilitated glucose transporter member 3Mm 3726	1.1798394	Mm.229459
ESTsMm 33880	1.1952488	Mm.148313
ESTsMm 34740	1.2027677	Mm.34740
ESTsMm 29832	1.2278035	Mm.193647
cathepsin DMm 2147	1.2757325	Mm.2147
secretogranin IIIMm 2386	1.2786766	Mm.2386
Mouse mRNA for neural cell adhesion molecu	1.2859741	Mm.39188
Mus musculus glutathione S transferase mu 1	1.289244	Mm.2011
no match98	1.3293184	NA
R norvegicus microtubule associated protein 1A MAP1A	1.4074753	M83196
M musculus selenoprotein P	1.5694846	Mm.22699

Figure 5. Differentially expressed genes at day 14.

Mus musculus secreted phosphoprotein 1 ESTsMm 27363	1.5703821 Mm.321 1.5894641 Mm.27363
PN14 dm down-regulated gene list	Score Acc
Mus musculus retinal S antigen	-2.447186 Mm.1276
Mus musculus neural retina leucine zipper gene	-2.357763 Mm.20422
M musculus photoreceptor specific protein PSP G145 IMAGE 4507893 5	-2.325928 Mm.78749 -2.153696 Mm.69061
Mus musculus domesticus phosducin IMAGE 4507284 5	-1.994435 Mm.1205 -1.991937 Mm.69061
Danio rerio brain type fatty acid binding protein	-1.905319 AF237712
M musculus X linked juvenile retinoschisis protein	-1.875647 Mm.41982
M musculus guanine nucleotide binding protein beta 1 Gnb1	-1.860222 Mm.2344
Mus musculus TPA regulated locus	-1.783431 Mm.790
Mouse nuclear protein mdm 1 IMAGE 4511806 5	-1.716045 Mm.2003 -1.676508 Mm.122087
M musculus male germ cell associated kinase heat shock protein 60 kDaMm 1777 no match17	-1.642615 Mm.8149 -1.55764 Mm.1777 -1.520271 NA
NCI CGAP BC3 Mus musculus cDNA clone IMAGE 3976794 no homol6	-1.513867 Mm.41744 -1.511491 NA
Homo sapiens CGI 45 protein ESTsMm 44103	-1.443361 AF151803 -1.436242 Mm.44103
Mouse opsin MOPS IMAGE 4225062 5 Mm 100212	-1.43031 Mm.2965 -1.418019 Mm.30866 -1.348492 Mm.100212
H sapiens fer fps fes related tyrosine kinase phosphoprotein NCP94 FER IMAGE 4505626 5 602393946F1 NIH MGC 94	-1.343991 NM_005246 -1.33215 BG296148 -1.331215 Mm.4168
solute carrier family 12 member 2Mm 4168 Mus musculus BUB2 like protein 1 HBLP1 mRNA complete cdsMm 104771	-1.289277 Mm.104771 -1.277165 Mm.35830 -1.275575 Mm.30038 -1.265738 NA
hemoglobin Y beta like embryonic chainMm 35830 erythrocyte protein band 4 1Mm 30038 no match55	
Mus musculus MYLE protein mRNA complete cdsMm 41091	-1.240863 Mm.41091
RIKEN full length enriched adult male hypothalamus musculus cDNA clone A230050E13	-1.234581 BB174200
NCI CGAP Mam6 Mus IMAGE 3500058 Mus musculus mRNA for GTP binding protein drg2 gene Mm 41803	-1.226012 Mm.41758 -1.218119 Mm.41803
Homo sapiens mRNA for KIAA1549 protein	-1.207012 AB046769
Mus musculus karyopherin importin alpha 2 Kpna2 UI M BZ1 bk v b 01 0 UI 3	-1.203689 Mm.12508 -1.187375 Mm.8180
no match B ESTsMm 939	-1.179105 NA -1.174997 Mm.30016
Mus musculus cDNA sequence AF244542 IMAGE 1348390 5	-1.172368 Mm.24541 -1.167812 Mm.29308

Figure 5. Differentially expressed genes at day 14.

solute carrier family 30 zinc transporter member 3Mm 1396	-1.158546 Mm.1396
no match110	-1.153564 NA
Mus musculus homeodomain protein crx	-1.137718 Mm.8008
promininMm 6250	-1.132689 Mm.6250
no homol3	-1.122577 NA
IMAGE 1279184 5	-1.115991 Mm.196340
Human microfibril associated glycoprotein 4	-1.111901 L38486
Mm 70462	-1.106166 Mm.70462
no match A	-1.102904 NA
Rattus sp mRNA for BHF 1	-1.100688 D82074
ribosomal protein S24Mm 16775	-1.098566 Mm.16775
Stratagene mouse Tcell 937311 IMAGE 1002041	-1.097688 Mm.33817
NCI CGAP Kid14 Mus IMAGE 4236354 5	-1.09514 Mm.156686
R norvegicus retinoblastoma binding protein 9	-1.09436 NM_019219
Mus musculus exostoses multiple 1 Ext1	-1.092428 Mm.1424
selectin endothelial cell ligandMm 488	-1.08932 Mm.488
ESTs Weakly similar to HYPOTHETICAL 16 1 KD PROTEIN IN SEC17 QCR1 INTERGENIC REGION Saccharomyces cerevisiae Mm 27114	-1.081233 Mm.27114
ESTs Highly similar to KIAA0824 protein H sapiens Mm 34579	-1.077044 Mm.34579
Mus musculus ribosomal protein L10A Rpl10a	-1.073154 Mm.2424
R norvegicus ribonucleoprotein F	-1.071419 AB022209
clone 1110007F23	-1.070742 Mm.29391
no match38	-1.061206 NA
M musculus Srp20 gene	-1.058872 Mm.6787
homeodomain interacting protein kinase 2Mm 20934	-1.055037 Mm.20934
FSHD region gene 1Mm 67	-1.054165 Mm.67
UI M BH3 ari c 10 0 UI s1 NIH BMAP M S4	-1.05095 Mm.101248
Homo sapiens CED 6 protein CED 6	-1.046558 NM_016315
Mus musculus RIKEN clone 0610009E22	-1.046342 Mm.196149
RAB18 member RAS oncogene familyMm 22660	-1.034679 Mm.22660
no match5	-1.033335 NA
Mus musculus prominin Prom	-1.023683 Mm.6250
ribosomal protein L12Mm 70127	-1.022364 Mm.70127
ESTs Highly similar to ELONGATION FACTOR 1 DELTA Homo sapiens Mm 21086	-1.0216 Mm.21086
ESTs Highly similar to HYPOTHETICAL 37 2 KD PROTEIN C12C2 09C IN CHROMOSOME I Schizosaccharomyces pombe Mm 21383	-1.021591 Mm.229919
clone 3021401C12	-1.02075 Mm.102470
M musculus very long chain acyl CoA dehydrogenase	-1.015377 Mm.18630
vitronectinMm 3667	-1.0139 Mm.3667
ESTs Weakly similar to LIV 1 protein H sapiens Mm 41214	-1.008289 Mm.40295
Mus musculus dopamine receptor 4	-1.007351 Mm.41075
no match7	-1.006087 NA
ATPase H transporting lysosomal vacuolar proton pump nontcatalytic accessory protein 1 110 160 kDa Mm 20869	-1.001723 Mm.20869

Figure 5. Differentially expressed genes at day 14.

Rattus norvegicus partial mRNA for CRM1 protein	-1.000606 AJ238278
eukaryotic translation elongation factor 1 alpha 1Mm 16317	-1.000426 Mm.196614
Human karyopherin beta2 importin	-0.999624 U72069
ESTs Moderately similar to hypothetical protein H sapiens Mm 22878	-0.99688 Mm.22878
Homo sapiens PAC clone RP4 687K1	-0.996371 AC004858
UI M AO1 aeh e 11 0 UI r1 NIH BMAP MPG N	-0.9939 Mm.89552
high mobility group protein 14Mm 2756	-0.993728 Mm.2756
ESTsMm 31374	-0.991882 Mm.31374
R norvegicus aryl hydrocarbon interacting protein like 1	-0.990478 AF180340
UI M CG0p bmu h 08 0 UI s1 NIH BMAP Ret4 S2	-0.98993 Mm.156168
RAB10 member RAS oncogene familyMm 9455	-0.989478 Mm.181005
Mus musculus early development regulator 2	-0.983503 Mm.14198
no match83	-0.98345 NA
Mus musculus topoisomerase DNA II beta	-0.982207 Mm.4093
alpha tubulin	-0.976471 NA
Homo sapiens MTA1 L1	-0.975088 AB012922
retinitis pigmentosa G I Pase regulator interacting protein 1	
Mm 21662	-0.974669 Mm.21662
Mus musculus FXDY dom containing ion transport regulator 5	-0.971378 Mm.1870
Mus musculus cytochrome P450 3A25 CYP3A25 mRNA	
complete cdsMm 26993	-0.970606 Mm.26993
IMAGE 4505626 5	-0.965683 BG296148
RNA polymerase II transcriptional coactivatorMm 966	-0.964966 Mm.41746
ESTs Highly similar to CAAX prenyl protease H sapiens Mm 34399	-0.96381 Mm.34399
Soares mammary gland NbMMG IMAGE 1347586	-0.96199 Mm.76694
clone 2700067D09	-0.961598 Mm.29333
ESTs Weakly similar to define not available 5901802 D	
melanogaster Mm 35127	-0.957741 Mm.35127
torsin family 1 member AMm 29151	-0.956493 Mm.29151
Mm 23086	-0.954299 Mm.23086
M musculus brain cyclic nucleotide gated K	-0.953227 Mm.8010
Mus musculus N myc downstream regulated 1	-0.952418 Mm.4063
Homo sapiens splicing factor 3b subunit 3	-0.951929 NM_012426
Mus musculus mRNA for Lim homeodomain protein	
Islet1Mm 42242	-0.951234 Mm.42242
Mouse mRNA for syntaxin 3D 1	-0.951027 Mm.203928
Mus musculus chromosome 7 clone 19K5	-0.948836 AC002327
ES18 proteinMm 23296	-0.946981 Mm.23296
ESTs Highly similar to KIAA0729 protein H sapiens Mm 13148	-0.945024 Mm.13148
ESTsMm 33949	-0.943761 Mm.154650
Rat transcription factor RZR beta gene	-0.942504 L14610
ESTs Moderately similar to hypothetical protein H sapiens Mm 30235	-0.935717 Mm.142195
Homo sapiens KIAA0009 gene product	-0.934049 NM_014637

Figure 6. Differentially expressed genes at day 35.

PN35 dm up-regulated gene list

	<u>Score</u>	<u>Acc</u>
ESTs Moderately similar to CALPONIN ACIDIC ISOFORM Rattus norvegicus Mm 22171	2.94504	Mm.22171
collapsin response mediator protein 1Mm 22695	2.96017	Mm.22695
insulin like growth factor binding protein 5Mm 578	3.037562	Mm.578
ESTs Highly similar to neuroglycan C precursor R norvegicus Mm 38496	3.053196	Mm.38496
Mus musculus melastatin 1 Mlsn1	3.11908	Mm.38875
ceruloplasminMm 13787	3.119404	Mm.13787
ESTs Weakly similar to delta 6 fatty acid desaturase M musculus Mm 30158	3.13777	Mm.30158
ESTsMm 43499	3.189561	Mm.43499
Rattus norvegicus CD44 protein	3.201125	U96138
M musculus G protein coupled receptor 37	3.290556	Mm.20465
UI M BH3 aun e 05 0 UI s1 NIH BMAP M S4	3.322138	Mm.102181
M musculus secreted acidic cysteine rich glycoprotein	3.323678	Mm.35439
nuclear receptor co repressor 1Mm 88061	3.328025	Mm.88061
ribosomal protein mitochondrial S7Mm 29902	3.40373	Mm.29902
Mm 104779	3.412318	Mm.180060
tropomodulin 2Mm 44216	3.435125	Mm.44216
M musculus insulin like growth factor binding protein 5	3.493609	Mm.578
Mus musculus secreted acidic cysteine rich gly	3.634228	Mm.35439
Homo sapiens KIAA1077 protein	3.754792	Hs.70823
stearoyl Coenzyme A desaturase 2Mm 298	3.895047	Mm.298
M musculus dickkopf homolog 3 Dkk 3	3.956562	Mm.55143
Mus musculus transketolase Tkt	3.996578	Mm.154387
L0283F10 3 Mouse Newborn Ovary cDNA Library	4.336452	Mm.181969

PN35 dm down-regulated gene list

	<u>Score</u>	<u>Acc</u>
no match X	-10.2433	NA
ESTs Moderately similar to MYOSIN LIGHT CHAIN KINASE Dictyostelium discoideum Mm 1881	-8.23851	Mm.1881
serum glucocorticoid regulated kinaseMm 28405	-6.15167	Mm.28405
ESTs Weakly similar to cappuccino D melanogaster Mm 41762	-5.67035	Mm.41762
regulator of G protein signaling 9Mm 38548	-5.60744	Mm.38548
ESTsMm 34351	-5.38529	Mm.34351
ESTsMm 32460	-5.26161	Mm.32460
Mm 44404	-5.13647	Mm.9336
ESTsMm 37515	-5.13303	Mm.37515
Mus musculus cytochrome P450 2f2 Cyp2f2	-4.96758	Mm.4515
Finkel Biskis Reilly murine sarcoma virus FBR		
MuSV ubiquitously expressed fox derived Mm 4890	-4.68728	Mm.4890
guanylate cyclase activator 1a retina Mm 16224	-4.49897	Mm.16224
human CRX control	-4.49835	
adducin 2 beta Mm 104155	-4.47335	Mm.104155
mouse CRX control	-4.41896	
NRL control	-4.41743	

Figure 6. Differentially expressed genes at day 35.

Mus musculus ELOVL4	-4.41459 Mm.83949
Mus musculus N myc downstream regulated 3	-4.32899 Mm.36775
lactate dehydrogenase 1 A chainMm 26504	-4.28271 Mm.220177
ESTs Moderately similar to stromelysin PDGF	
responsive element binding protein transcription	
factor M musculus Mm 38372	-4.22382 Mm.38372
ESTsMm 11285	-4.04352 Mm.11285
M musculus chr 10 clone RP21 39C4	-3.96823 AC0092954
ESTs Highly similar to 40 KD PEPTIDYL PROLYL	
CIS TRANS ISOMERASE Homo sapiens Mm 30242	-3.94716 Mm.30242
NIH BMAP Ret4 S2 Mus UI M CG0p big e 08 0 UI 3	-3.79256 Mm.49538
Soares mammary gland NMLMG IMAGE 3467149	-3.78481 Mm.17903
glycosylphosphatidylinositol 1 homolog human Mm	
6354	-3.78321 Mm.6354
Rattus norvegicus NMDA receptor subunit NR2	-3.76184 L31611
ESTsMm 33788	-3.73817 Mm.33788
Mus musculus hexokinase 1 Hk1	-3.71486 Mm.196605
inosine 5 phosphate dehydrogenase 2Mm 6065	-3.70761 Mm.6065
N myc downstream regulated 3Mm 36775	-3.69676 Mm.36775
no match V	-3.69621 NA
villin 2Mm 4551	-3.64485 Mm.4551
Rattus norvegicus TM6P1 TM6P1	-3.44424 AF186469
Mus musculus mRNA for heterogeneous nuclear	
ribonucleoprotein HMm 21740	-3.42805 Mm.21740
ESTsMm 103333	-3.3949 Mm.230796
Mus musculus retinal taurine transporter	-3.38939 Mm.200518
Mus musculus poly rC binding protein	-3.38922 Mm.111
ESTs Weakly similar to nuclear poly C binding	
protein M musculus Mm 29707	-3.3494 Mm.29707
ESTs Weakly similar to similar to 1 acyl glycerol 3	
phosphate acyltransferases C elegans Mm 24117	-3.32484 Mm.24117
Mm 27013	-3.31523 Mm.27013
pre B cell leukemia transcription factor 3Mm 7331	-3.31027 Mm.7331
ESTsMm 21299	-3.26667 Mm.21299
Mus musculus kinectin 1	-3.26085 Mm.3110
Mus musculus drebrin A mRNA complete cdsMm	
104044	-3.24629 Mm.19016
H3087H01 5 NIA Mouse 15K cDNA Clone Set	-3.22152 Mm.25963
SAC483 Mouse e14 5 developing pituitary gland	-3.19412 Mm.27733
cloneE130113K08	-3.17659 Mm.101711
Mus musculus major histocompatibility locus class II	
region Fas binding protein Daxx DAXX gene partial	
cds Bing1 BING1 tapasin tapasin RaIGDS like factor	
RLF KE2 KE2 BING4 BING4 beta1 3 galactosyl	
transferase beta1 3 galactosylMm 20926	-3.15049 Mm.42790
Mus musculus aquaporin 1	-3.1503 Mm.18625
acyl Coenzyme A dehydrogenase very long	
chainMm 18630	-3.11854 Mm.18630
Mouse proprotein convertase 4	-3.10336 Mm.3251

Figure 6. Differentially expressed genes at day 35.

M musculus activating transcription factor 4 Atf4	-3.06453 Mm.641
guanine nucleotide binding protein beta 5Mm 4702	-3.01943 Mm.4702
phosducin control	-3.01939
ESTsMm 38578	-3.01653 Mm.38578
Barstead bowel MPLRB9 IMAGE 1095982	-3.01012 AA871220
M musculus stromal cell derived factor recep	-2.99759 Mm.15125
ESTs Weakly similar to E04F6 2 gene product C	
elegans Mm 18889	-2.97284 Mm.18889
IMAGE 963149 5	-2.96274 Mm.200518
syntaxin binding protein 1 Mm 3129	-2.94296 Mm.3129
solute carrier family 16 monocarboxylic acid	
transporters member 1Mm 9086	-2.93863 Mm.9086
ESTs Highly similar to TRICARBOXYLATE	
TRANSPORT PROTEIN PRECURSOR Rattus	
norvegicus Mm 22679	-2.8827 Mm.229291
Bcl2 likeMm 3882	-2.8803 Mm.3882
Soares mouse p3NMF19 5 IMAGE 493296	-2.87024 Mm.30000
Mus musculus beta galactosidase complex	-2.86244 Mm.2040
H sapiens ADP ribosylation factor binding protein	
GGA2	-2.84643 AF190863
Mm 31266	-2.84305 Mm.164568
IMAGE 560050 5	-2.84034 Mm.138434
Mus musculus DXHXS6673E protein DXHXS6673E	
mRNA complete cdsMm 23458	-2.83466 Mm.23458
M musculus mRNA for hair keratin mHb6	-2.79839 Mm.157460
Mus musculus thyroglobulin	-2.77505 Mm.12800
ESTs Moderately similar to KIAA0956 protein H	
sapiens Mm 11428	-2.77254 Mm.11428
H3050H05 3 NIA Mouse 15K cDNA Clone Set	-2.73877 Mm.33583
ESTs Moderately similar to signal recognition	
particle 54K protein M musculus Mm 32508	-2.71106 Mm.32508
Mouse PSD 95 SAP90A	-2.70943 Mm.27256
ESTsMm 29308	-2.70885 Mm.29308
alkaline phosphatase 2 liverMm 1265	-2.70466 Mm.1265
Homo sapiens 12 seeders BAC RP11 19E18	-2.69707 AC009464.7
ESTsMm 41269	-2.69406 Mm.86311
ESTsMm 86724	-2.68698 Mm.86724
Homo sapiens 12q13 1 PAC RPC11 228P16	-2.68317 AC004801
serine threonine kinase receptor associated	
proteinMm 22584	-2.6802 Mm.22584
UI M BZ0 axl a 11 0 UI s1 NIH BMAP MHI2	-2.67248 Mm.86484
Mus musculus poly rC binding protein 2	-2.67191 Mm.111
IMAGE 4503171 5	-2.66836 Mm.102278
ESTsMm 35430	-2.66758 Mm.149904
activating transcription factor 4Mm 641	-2.66529 Mm.641
Mouse serine threonine phosphatase 2C	-2.65969 Mm.849
GAPDH control	-2.65869
Human mRNA for KIAA0299	-2.65116 AB002297
ESTs Weakly similar to proline rich protein M	
musculus Mm 41665	-2.64679 Mm.41665

Figure 6. Differentially expressed genes at day 35.

megakaryocyte associated tyrosine kinaseMm 2918	-2.6359 Mm.2918
homer neuronal immediate early gene 2Mm 228	-2.6331 Mm.228
peroxisomal farnesylated proteinMm 29198	-2.63111 Mm.144235
blank	-2.62987
zinc finger protein 238Mm 27962	-2.62983 Mm.27962
ESTs Highly similar to PHENYLALANYL TRNA SYNTHETASE BETA CHAIN CYTOPLASMIC Saccharomyces cerevisiae Mm 27403	-2.62486 Mm.27403
Rat microtubule associated protein 2 MAP2	-2.61489 U30938
timeless homolog Drosophila Mm 6458	-2.61029 Mm.6458
kinectin 1Mm 3110	-2.60876 Mm.3110
phosphatidylinositol membrane associatedMm 1860	-2.60592 Mm.1860
R norvegicus CDP diacylglycerol synthase	-2.59951 AB009999
Homo sapiens DKFZp434A132	-2.58944 AL080188
Mus musculus hematopoietic zinc finger	-2.58804 Mm.14099
mitogen activated protein kinase kinase 7Mm 3906	-2.57248 Mm.3906
H3110G03 3 NIA Mouse 15K cDNA	-2.55668 Mm.18539
ESTs Highly similar to HYPOTHETICAL 47 9 KD PROTEIN B0303 3 IN CHROMOSOME III Caenorhabditis elegans Mm 30147	-2.54901 Mm.30147
ESTs Highly similar to CELL GROWTH REGULATING NUCLEOLAR PROTEIN M musculus Mm 28560	-2.5455 Mm.28560
no match W	-2.54481 AK004032
Mouse endogenous murine leukemia virus polytropic provirus DNA	-2.54045 M17326
clone1110013A05	-2.54037 Mm.24117
aryl hydrocarbon receptorMm 4452	-2.52314 Mm.4452
peroxisome proliferator activated receptor alphaMm 1373	-2.52025 Mm.1373
Mus musculus LAG protein Lag Rattus NMDA receptor glutamate binding subunit	-2.51972 Mm.41665
Mus musculus syntaxin binding protein 1	-2.51639 Mm.3129
Mus musculus MAP kinase phosphatase 6	-2.51402 Mm.142293
Rattus norvegicus retina specific protein PAL	-2.50115 AB028461
no match33	-2.48954 NA
Mus musculus myc box dependent interacting pro	-2.4827 Mm.4383
Murine leukemia virus erv1 envelope protein	-2.48065 AF136489
cytochrome c oxidase subunit VIIa 3Mm 2151	-2.47624 Mm.2151
proteasome prosome macropain subunit alpha type 3Mm 1007	-2.4752 Mm.1007
Homo sapiens mRNA cDNA DKFZp434N1615	-2.47445 AL133061
Mus musculus TCR beta locus	-2.46686 AE000664
ESTs Weakly similar to LOK M musculus Mm 74661	-2.46472 Mm.5935
small inducible cytokine subfamily A member 22Mm 12895	-2.4588 Mm.12895
ESTsMm 23682	-2.4449 Mm.23682

Figure 7. Differentially expressed genes at day 50.

PN50 dm up-regulated gene list

<u>Score</u>	<u>Acc</u>
Mus musculus neuron specific gene family member 2	2.82294 Mm.3304
prostaglandin D2 synthase 21 kDa brain Mm 1008	2.869481 Mm.1008
Mus neural cell adhesion molecule NCAM 140	2.873635 Mm.4974
Mouse brain specific small RNA	2.8801 Y00510
Mus musculus protein phosphatase 2	2.882516 Mm.1034
farnesyl diphosphate farnesyl transferase 1Mm 3204	2.887048 Mm.3204
Mmusculus proteolipid M6B isoform TMD psi M6B	2.899648 AF254877
Mouse brain neurofilament L	2.921431 Mm.1956
brain protein E46Mm 4098	2.925351 Mm.4098
Rattus norvegicus Spinophilin mRNA	2.933583 AF016252
ESTsMm 5258	2.938522 Mm.63881
ESTsMm 17436	2.952225 Mm.17436
Mouse heat shock protein hsp84	2.982458 Mm.2180
no match71	2.993316 NA
Mm 29846	3.002437 Mm.29846
R norvegicus n chimaerin	3.012215 X67250
ESTsMm 10641	3.017441 Mm.29901
Mus musculus protein tyrosine phosphatase	3.018031 Mm.40277
Mm 100761	3.029014 Mm.135114
H sapiens transmembrane 4 superfamily member 7	3.032338 NM_003271
H sapiens chromosome 3 clone RP11 19E8 map 3p	3.04299 AC034186.4
ESTsMm 26680	3.073387 Mm.26680
UI M BH3 avk f 09 0 UI s1 NIH BMAP M S4	3.080752 Mm.191030
ESTs Moderately similar to PRAJA1 M musculus Mm 41711	3.09561 Mm.41711
Homo sapiens RNA binding protein BRUNOL4	3.124877 AF248651
actin beta cytoplasmicMm 103618	3.139306 Mm.297
NCK associated protein 1Mm 25203	3.152685 Mm.25203
Mus musculus transcription factor 4 Tcf4	3.169649 Mm.4269
ESTsMm 39985	3.174179 Mm.219489
Mouse mRNA for OSF 1	3.205037 Mm.3063
ESTsMm 27030	3.244222 Mm.9334
Mouse cysteine rich glycoprotein	3.266125 Mm.35439
ESTsMm 71533	3.269016 Mm.71533
H sapiens membrane glycoprotein M6	3.289003 D49958
Human hBOIT brain type organic ion transporter	3.289747 NM_016609
dickkopf homolog 3 Xenopus laevis Mm 55143	3.293735 Mm.55143
no match23	3.337091 NA
DNA segment Chr 19 Wayne State University 55 expressedMm 29835	3.362324 Mm.29835
Mus musculus calpain 4	3.373762 Mm.6534
ESTs Highly similar to EXCITATORY AMINO ACID TRANSPORTER 1 M musculus Mm 33356	3.394612 Mm.33356
Ca2 dependent activator protein for secretionMm 5058	3.40469 Mm.5058
oxidative stress inducedMm 9846	3.420453 Mm.200125
adducin 1 alpha Mm 29052	3.420832 Mm.29052
ESTs Weakly similar to ORF YKR092c S cerevisiae Mm 24356	3.4441 Mm.24356
Mus musculus membrane protein TMS 2 mRNA complete cdsMm 29344	3.447137 Mm.29344

Figure 7. Differentially expressed genes at day 50.

R norvegicus neurodegeneration associated protein 1	3.484355 D32249
glutamine synthetaseMm 2338	3.528578 Mm.2338
ESTsMm 24254	3.576521 Mm.24254
Mus musculus clusterin	3.588381 Mm.196344
Mouse beta tubulin gene M beta 4 3 end	3.680458 Mm.7420
Mus musculus vimentin	3.863025 Mm.7
Homo sapiens mRNA cDNA DKFZp586N1922	4.014127 AL117468
ESTsMm 27467	4.030373 Mm.27467
Mus musculus mRNA for profilin II pfn2 gene Mm 20399	4.149777 Mm.20399
protein L isoaspartate D aspartate O methyltransferase 1Mm 25293	4.335054 Mm.25293
ESTsMm 41819	4.592587 Mm.226753
ESTs Weakly similar to p190 B M musculus Mm 13835	4.639183 Mm.41190
anti oxidant protein 2Mm 6587	4.655428 Mm.6587
Mus musculus sulfated glycoprotein 2 isoform 2	4.73532 Mm.196344
ESTs Highly similar to zyginI R norvegicus Mm 5264	5.194811 Mm.5264
calmodulinMm 2648	5.259587 Mm.34246
Homo sapiens membrane glycoprotein M6	5.366421 D49958

PN50 dm down-regulated gene list

<u>Score</u>	<u>Acc</u>
no match I	-8.42771 NA
no match H	-4.10533 NA
high mobility group protein I isoform CMm 3953	-3.86827 Mm.3953
protein kinase cAMP dependent catalytic alphaMm 22479	-3.72599 Mm.22479
Mus musculus phosphatidylinositol membrane associated	-3.71007 Mm.1860
no match G	-3.61104 AK004032
Mouse heparin binding epidermal growth factor like	-3.42739 Mm.4661
Homo sapiens cDNA DKFZp586B0924	-3.42421 AL137644
Mouse magnesium dependent protein	-3.32965 Mm.849
ESTs Weakly similar to ZW10 interactor Zwint H sapiens Mm 38994	-3.11763 Mm.38994
ESTsMm 30480	-3.07818 Mm.206003
H sapiens ADP ribosylation factor GTPase activating protein 1	-3.00247 NM_014570
Mus elongation of very long chain fatty acids	-2.98494 Mm.2567
Mouse Y box binding protein 1 DNA binding MSY 1	-2.93065 Mm.21054
Homo sapiens KIAA0249 gene product	-2.90334 NM_014646
Mus musculus Ran binding protein 2	-2.89546 AF279458
Mus musculus histidine decarboxylase cluster	-2.79599 Mm.18603
Homo sapiens cDNA FLJ21612 fis clone COL07355	-2.78695 AK025265
UI M BH2 3 aqc g 10 0 UI 5	-2.76964 Mm.27462
Rattus norvegicus APP binding protein 1	-2.73948 U90829
Mus musculus beta site APP cleaving enzyme	-2.7272 Mm.24044
DNA methyltransferase cytosine 5 Mm 7814	-2.72219 Mm.7814
no match66	-2.70676 NA
ESTs Weakly similar to Lpi2p S cerevisiae Mm 21859	-2.6788 Mm.213090

Figure 7. Differentially expressed genes at day 50.

R norvegicus phosphatidylinositol synthase	-2.65637 AB022890
ribonuclease L 2 5 oligoadenylate synthetase	
dependent inhibitorMm 5831	-2.62314 Mm.5831
Mm 104074	-2.62086 Mm.26609
H sapiens protein phosphatase 2A regulatory subunit B	-2.6 NM_021131
H3147A11 5 NIA Mouse 15K cDNA Clone Set	-2.58678 Mm.28184
Mus musculus Y box transcription factor	-2.56293 Mm.21054
Mouse gene for basigin	-2.56111 Mm.726
Homo sapiens mRNA for FLJ00042 protein	-2.55128 AK024450
R norvegicus nup155 nucleoporin 155kD	-2.52112 Z21780
tubby like protein 1 Mm 42102	-2.50871 Mm.42102
R norvegicus RNA binding protein SiahBP	-2.50637 AF165892
UI M BZ0 axj h 06 0 UI 3	-2.50495 Mm.36410
Mus musculus pyruvate kinase 3	-2.47715 Mm.2635

Figure 8. Genes shown which are differentially expressed at each time point.

DOWN

<u>PN14 dm gene list</u>	<u>Scor</u>	<u>Acc</u>
Mus musculus retinal S antigen	-2.447186	Mm.1276
Mus musculus neural retina leucine zipper gene	-2.357763	Mm.20422
M musculus photoreceptor specific protein PSP C	-2.325928	Mm.78749
IMAGE 4507893 5	-2.153696	Mm.69061
Mus musculus domesticus phosducin	-1.994435	Mm.1205
IMAGE 4507284 5	-1.991937	Mm.69061
Danio rerio brain type fatty acid binding protein	-1.905319	AF237712
M musculus X linked juvenile retinoschisis proteir	-1.875647	Mm.41982
M musculus guanine nucleotide binding protein b	-1.860222	Mm.2344
Mus musculus TPA regulated locus	-1.783431	Mm.790
Mouse nuclear protein mdm 1	-1.716045	Mm.2003
IMAGE 4511806 5	-1.676508	Mm.122087
M musculus male germ cell associated kinase	-1.642615	Mm.8149
heat shock protein 60 kDaMm 1777	-1.55764	Mm.1777
no match17	-1.520271	NA
NCI CGAP BC3 Mus musculus cDNA clone IMAC	-1.513867	Mm.41744
no homol6	-1.511491	NA
Homo sapiens CGI 45 protein	-1.443361	AF151803
ESTsMm 44103	-1.436242	Mm.44103
Mouse opsin MOPS	-1.43031	Mm.2965
IMAGE 4225062 5	-1.418019	Mm.30866
Mm 100212	-1.348492	Mm.100212
H sapiens fer fps fes related tyrosine kinase phos	-1.343991	NM_005246
IMAGE 4505626 5 602393946F1 NIH MGC 94	-1.33215	BG296148
solute carrier family 12 member 2Mm 4168	-1.331215	Mm.4168
Mus musculus BUB2 like protein 1 HBLP1 mRNA/	-1.289277	Mm.104771
hemoglobin Y beta like embryonic chainMm 358	-1.277165	Mm.35830
erythrocyte protein band 4 1Mm 30038	-1.275575	Mm.30038
no match55	-1.265738	NA
Mus musculus MYLE protein mRNA complete cd	-1.240863	Mm.41091
RIKEN full length enriched adult male hypothalam	-1.234581	BB174200
NCI CGAP Mam6 Mus IMAGE 3500058	-1.226012	Mm.41758
Mus musculus mRNA for GTP binding protein dr	-1.218119	Mm.41803
Homo sapiens mRNA for KIAA1549 protein	-1.207012	AB046769
Mus musculus karyopherin importin alpha 2 Kpna	-1.203689	Mm.12508
UI M BZ1 bk v b 01 0 UI 3	-1.187375	Mm.8180
no match B	-1.179105	NA
ESTsMm 939	-1.174997	Mm.30016
Mus musculus cDNA sequence AF244542	-1.172368	Mm.24541
IMAGE 1348390 5	-1.167812	Mm.29308
solute carrier family 30 zinc transporter member	-1.158546	Mm.1396
no match110	-1.153564	NA
Mus musculus homeodomain protein crx	-1.137718	Mm.8008
promininMm 6250	-1.132689	Mm.6250
no homol3	-1.122577	NA
IMAGE 1279184 5	-1.115991	Mm.196340
Human microfibril associated glycoprotein 4	-1.111901	L38486
Mm 70462	-1.106166	Mm.70462
no match A	-1.102904	NA
Rattus sp mRNA for BHF 1	-1.100688	D82074

Figure 8. Genes shown which are differentially expressed at each time point.

ribosomal protein S24Mm 16775	-1.098566 Mm.16775
Stratagene mouse Tcell 937311 IMAGE 1002041	-1.097688 Mm.33817
NCI CGAP Kid14 Mus IMAGE 4236354 5	-1.09514 Mm.156686
R norvegicus retinoblastoma binding protein 9	-1.09436 NM_019219
Mus musculus exostoses multiple 1 Ext1	-1.092428 Mm.1424
selectin endothelial cell ligandMm 488	-1.08932 Mm.488
ESTs Weakly similar to HYPOTHETICAL 16 1 K	-1.081233 Mm.27114
ESTs Highly similar to KIAA0824 protein H sapie	-1.077044 Mm.34579
Mus musculus ribospsmal protein L10A Rpl10a	-1.073154 Mm.2424
R norvegicus ribonucleoprotein F	-1.071419 AB022209
clone 1110007F23	-1.070742 Mm.29391
no match38	-1.061206 NA
M musculus Srp20 gene	-1.058872 Mm.6787
homeodomain interacting protein kinase 2Mm 20	-1.055037 Mm.20934
FSHD region gene 1Mm 67	-1.054165 Mm.67
UI M BH3 ari c 10 0 UI s1 NIH BMAP M S4	-1.05095 Mm.101248
Homo sapiens CED 6 protein CED 6	-1.046558 NM_016315
Mus musculus RIKEN clone 0610009E22	-1.046342 Mm.196149
RAB18 member RAS oncogene familyMm 2266C	-1.034679 Mm.22660
no match5	-1.033335 NA
Mus musculus prominin Prom	-1.023683 Mm.6250
ribosomal protein L12Mm 70127	-1.022364 Mm.70127
ESTs Highly similar to ELONGATION FACTOR	-1.0216 Mm.21086
ESTs Highly similar to HYPOTHETICAL 37 2 KD	-1.021591 Mm.229919
clone 3021401C12	-1.02075 Mm.102470
M musculus very long chain acyl CoA dehydroger	-1.015377 Mm.18630
vitronectinMm 3667	-1.0139 Mm.3667
ESTs Weakly similar to LIV 1 protein H sapiens I	-1.008289 Mm.40295
Mus musculus dopamine receptor 4	-1.007351 Mm.41075
no match7	-1.006087 NA
ATPase H transporting lysosomal vacuolar protoi	-1.001723 Mm.20869
Rattus norvegicus partial mRNA for CRM1 proteir	-1.000606 AJ238278
eukaryotic translation elongation factor 1 alpha 1	-1.000426 Mm.196614
Human karyopherin beta2 importin	-0.999624 U72069
ESTs Moderately similar to hypothetical protein I	-0.99688 Mm.22878
Homo sapiens PAC clone RP4 687K1	-0.996371 AC004858
UI M AO1 aeh e 11 0 UI r1 NIH BMAP MPG N	-0.9939 Mm.89552
high mobility group protein 14Mm 2756	-0.993728 Mm.2756
ESTsMm 31374	-0.991882 Mm.31374
R norvegicus aryl hydrocarbon interacting protein	-0.990478 AF180340
UI M CG0p bmu h 08 0 UI s1 NIH BMAP Ret4 S2	-0.98993 Mm.156168
RAB10 member RAS oncogene familyMm 9455	-0.989478 Mm.181005
Mus musculus early development regulator 2	-0.983503 Mm.14198
no match83	-0.98345 NA
Mus musculus topoisomerase DNA II beta	-0.982207 Mm.4093
alpha tubulin	-0.976471 NA
Homo sapiens MTA1 L1	-0.975088 AB012922
retinitis pigmentosa GTPase regulator interacting	-0.974669 Mm.21662
Mus musculus FXYD dom containing ion transpo	-0.971378 Mm.1870
Mus musculus cytochrome P450 3A25 CYP3A25	-0.970606 Mm.26993
IMAGE 4505626 5	-0.965683 BG296148
RNA polymerase II transcriptional coactivatorMm	-0.964966 Mm.41746

Figure 8. Genes shown which are differentially expressed at each time point.

ESTs Highly similar to CAAX prenyl protease H s	-0.96381 Mm.34399
Soares mammary gland NbMMG IMAGE 134758	-0.96199 Mm.76694
clone 2700067D09	-0.961598 Mm.29333
ESTs Weakly similar to define not available 590	-0.957741 Mm.35127
torsin family 1 member AMm 29151	-0.956493 Mm.29151
Mm 23086	-0.954299 Mm.23086
M musculus brain cyclic nucleotide gated K	-0.953227 Mm.8010
Mus musculus N myc downstream regulated 1	-0.952418 Mm.4063
Homo sapiens splicing factor 3b subunit 3	-0.951929 NM_012426
Mus musculus mRNA for Lim homeodomain prot	-0.951234 Mm.42242
Mouse mRNA for syntaxin 3D 1	-0.951027 Mm.203928
Mus musculus chromosome 7 clone 19K5	-0.948836 AC002327
ES18 proteinMm 23296	-0.946981 Mm.23296
ESTs Highly similar to KIAA0729 protein H sapie	-0.945024 Mm.13148
ESTsMm 33949	-0.943761 Mm.154650
Rat transcription factor RZR beta gene	-0.942504 L14610
ESTs Moderately similar to hypothetical protein t	-0.935717 Mm.142195
Homo sapiens KIAA0009 gene product	-0.934049 NM_014637

UP

PN14 dm gene list

	<u>Score</u>	<u>Acc</u>
ESTsMm 40262	1.0562136	Mm.233464
Human hBOIT brain type organic ion transporter	1.0572597	NM_016609
Mus musculus calcium binding protein 1	1.0612925	Mm.38551
M musculus ribonucleic acid binding protein S1 R	1.065849	Mm.1951
ESTsMm 10622	1.0664812	Mm.10622
Mouse brain neurofilament L	1.06961	Mm.1956
contactin 3Mm 2968	1.0719244	Mm.2968
Mus musculus glycoprotein 38	1.0727065	Mm.2976
neurochondrinMm 43445	1.0744086	Mm.220885
no match8	1.0784484	NA
Mus musculus crystallin beta A4	1.0830055	Mm.40324
S100 protein beta polypeptide neuralMm 829	1.0830313	Mm.229247
Mm 37346	1.0846564	Mm.182202
chromogranin BMm 1339	1.0858155	Mm.1339
no match111	1.0870875	NA
glial fibrillary acidic proteinMm 1239	1.0892729	Mm.1239
Sugano mouse brain mncb MNCb 4842 5	1.0897842	Mm.45146
Mus musculus Ly6 neurotoxin 1	1.0917581	Mm.35270
ESTsMm 22801	1.0937977	Mm.5195
Human Chromosome 7 clone RP11 297N5	1.0956123	AC018643.3
proteolipid protein myelin Mm 1268	1.1002364	Mm.1268
ESTs Weakly similar to F2 alpha prostoglandin r	1.1058038	Mm.29860
UI M BH3 avk f 09 0 UI s1 NIH BMAP M S4	1.110028	Mm.191030
ESTsMm 28098	1.1109123	Mm.196153
Mus musculus fibroblast growth factor 13	1.1168761	Mm.7995
glutamate receptor ionotropic NMDA1 zeta 1 Mm	1.1193776	Mm.3292
amyloid beta A4 precursor protein binding family	1.1220764	Mm.4657
ESTsMm 41808	1.1230946	Mm.3058
Mus musculus zinc finger transcription factor Kai	1.1291695	Mm.100832
R norvegicus mRNA for pro alpha 1 collagen type	1.1300791	X70369

Figure 8. Genes shown which are differentially expressed at each time point.

heat shock protein 25 kDa 2 cardiovascular Mm	1.1337181 Mm.46181
DNA segment Chr 19 Wayne State University 55	1.1474294 Mm.29835
ESTsMm 43499	1.1516132 Mm.43499
Mus musculus hypothetical protein I54	1.1546655 Mm.1348
transcription factor 4Mm 4269	1.1595254 Mm.4269
ESTs Highly similar to ATP SYNTHASE DELTA 1	1.1600586 Mm.22514
M musculus vacuolar proton translocating ATPase	1.1679545 Mm.20869
Rattus norvegicus Spinophilin mRNA	1.1766238 AF016252
ESTsMm 27030	1.1779728 Mm.9334
selenoprotein P plasma 1Mm 22699	1.1793918 Mm.22699
solute carrier family 2 facilitated glucose transport	1.1798394 Mm.229459
Mouse heat shock protein hsp84	1.1862805 Mm.2180
ESTsMm 33880	1.1952488 Mm.148313
ESTsMm 34740	1.2027677 Mm.34740
Mm 29846	1.2201761 Mm.29846
ESTsMm 29832	1.2278035 Mm.193647
anti oxidant protein 2Mm 6587	1.2295727 Mm.6587
glutamine synthetaseMm 2338	1.2408452 Mm.2338
Homo sapiens RNA binding protein BRUNOL4	1.2671883 AF248651
protein L isoaspartate D aspartate O methyltransferase	1.2694277 Mm.25293
cathepsin DMm 2147	1.2757325 Mm.2147
secretogranin IIIMm 2386	1.2786766 Mm.2386
Mouse mRNA for neural cell adhesion molecule	1.2859741 Mm.39188
Mus musculus glutathione S transferase mu 1	1.289244 Mm.2011
M musculus dickkopf homolog 3 Dkk 3	1.3280542 Mm.55143
no match98	1.3293184 NA
R norvegicus microtubule associated protein 1A M	1.4074753 M83196
Mus musculus clusterin	1.4654414 Mm.196344
Homo sapiens mRNA cDNA DKFZp586N1922	1.5145336 AL117468
M musculus selenoprotein P	1.5694846 Mm.22699
Mus musculus secreted phosphoprotein 1	1.5703821 Mm.321
ESTsMm 27363	1.5894641 Mm.27363
Mus musculus sulfated glycoprotein 2 isoform 2	1.8789784 Mm.196344

DOWN

<u>PN35 dm gene list</u>	<u>Score</u>	<u>Acc</u>
no match X	-10.24329	NA
Mouse opsin MOPS	-9.198538	Mm.2965
ESTs Moderately similar to MYOSIN LIGHT CHAIN 1	-8.238513	Mm.1881
Mus musculus retinal S antigen	-7.608389	Mm.1276
promininMm 6250	-7.534725	Mm.6250
IMAGE 1348390 5	-6.781489	Mm.29308
ESTs Highly similar to HYPOTHETICAL 37 2 KD	-6.336473	Mm.229919
Mus musculus TPA regulated locus	-6.295808	Mm.790
serum glucocorticoid regulated kinaseMm 28405	-6.151667	Mm.28405
Mus musculus karyopherin importin alpha 2 Kpna	-6.108174	Mm.12508
Homo sapiens CGI 45 protein	-6.097192	AF151803
R norvegicus aryl hydrocarbon interacting protein	-6.032024	NM_021590
IMAGE 4505626 5 602393946F1 NIH MGC 94	-5.927904	BG296148
ESTs Weakly similar to cappuccino D melanogaster	-5.670353	Mm.41762
regulator of G protein signaling 9Mm 38548	-5.607436	Mm.38548

Figure 8. Genes shown which are differentially expressed at each time point.

M musculus photoreceptor specific protein PSP C	-5.478907 Mm.78749
ESTsMm 34351	-5.38529 Mm.34351
ESTsMm 32460	-5.261612 Mm.32460
Mm 44404	-5.136465 Mm.9336
ESTsMm 37515	-5.133034 Mm.37515
Mus musculus cytochrome P450 2f2 Cyp2f2	-4.967576 Mm.4515
retinitis pigmentosa GTPase regulator interacting	-4.856405 Mm.21662
Mouse nuclear protein mdm 1	-4.841207 Mm.2003
Finkel Biskis Reilly murine sarcoma virus FBR M	-4.687284 Mm.4890
IMAGE 4507284 5	-4.523447 Mm.69061
no match55	-4.515161 NA
guanylate cyclase activator 1a retina Mm 16224	-4.498972 Mm.16224
human CRX control	-4.498347
adducin 2 beta Mm 104155	-4.473345 Mm.104155
mouse CRX control	-4.418956
NRL control	-4.417429
Mus musculus ELOVL4	-4.41459 Mm.83949
IMAGE 4505626 5	-4.396854 BG296148
Mus musculus N myc downstream regulated 3	-4.328985 Mm.36775
IMAGE 4225062 5	-4.31734 Mm.30866
lactate dehydrogenase 1 A chainMm 26504	-4.282711 Mm.220177
ESTs Moderately similar to stromelysin PDGF re	-4.223821 Mm.38372
M musculus male germ cell associated kinase	-4.18841 Mm.8149
M musculus brain cyclic nucleotide gated K	-4.110607 Mm.8010
ESTsMm 11285	-4.043519 Mm.11285
no match38	-4.005802 NA
clone 2700067D09	-3.99601 Mm.29333
IMAGE 4511806 5	-3.987069 Mm.122087
M musculus chr 10 clone RP21 39C4	-3.968231 AC0092954
ESTs Highly similar to 40 KD PEPTIDYL PROLY	-3.947157 Mm.30242
Soares mammary gland NbMMG IMAGE 134758	-3.928483 Mm.76694
UI M BZ1 bk v b 01 0 UI 3	-3.831721 Mm.8180
Human karyopherin beta2 importin	-3.824756 U72069
Danio rerio brain type fatty acid binding protein	-3.808092 AF237712
NIH BMAP Ret4 S2 Mus UI M CG0p big e 08 0 U	-3.792561 Mm.49538
Soares mammary gland NMLMG IMAGE 346714	-3.784806 Mm.17903
glycosylphosphatidylinositol 1 homolog human M	-3.783214 Mm.6354
Rattus norvegicus NMDA receptor subunit NR2	-3.761842 L31611
no homol6	-3.743384 NA
ESTsMm 33788	-3.738174 Mm.33788
Mus musculus hexokinase 1 Hk1	-3.714858 Mm.196605
inosine 5 phosphate dehydrogenase 2Mm 6065	-3.707605 Mm.6065
N myc downstream regulated 3Mm 36775	-3.696755 Mm.36775
no match V	-3.696214 NA
villin 2Mm 4551	-3.644847 Mm.4551
erythrocyte protein band 4 1Mm 30038	-3.46517 Mm.30038
Rattus norvegicus TM6P1 TM6P1	-3.444239 AF186469
Mus musculus mRNA for heterogeneous nuclear	-3.428049 Mm.21740
hemoglobin Y beta like embryonic chainMm 358	-3.427543 Mm.35830
Mus musculus prominin Prom	-3.417498 Mm.6250
ESTsMm 103333	-3.394902 Mm.230796
Mus musculus retinal taurine transporter	-3.389388 Mm.200518

Figure 8. Genes shown which are differentially expressed at each time point.

Mus musculus poly rC binding protein	-3.389219 Mm.111
Mus musculus homeodomain protein crx	-3.383898 Mm.8008
ESTs Weakly similar to nuclear poly C binding pr	-3.349397 Mm.29707
clone 3021401C12	-3.343527 Mm.102470
ESTs Weakly similar to similar to 1 acyl glycerol :	-3.324839 Mm.24117
Mm 27013	-3.315231 Mm.27013
pre B cell leukemia transcription factor 3Mm 733	-3.310272 Mm.7331
IMAGE 4507893 5	-3.301485 Mm.69061
ESTsMm 21299	-3.26667 Mm.21299
Mus musculus kinectin 1	-3.260845 Mm.3110
Mus musculus drebrin A mRNA complete cdsMn	-3.246293 Mm.19016
H3087H01 5 NIA Mouse 15K cDNA Clone Set	-3.221521 Mm.25963
SAC483 Mouse e14 5 developing pituitary gland	-3.194116 Mm.27733
Mus musculus neural retina leucine zipper gene	-3.189694 Mm.20422
cloneE130113K08	-3.176593 Mm.101711
Mus musculus cDNA sequence AF244542	-3.163467 Mm.24541
Mus musculus BUB2 like protein 1 HBLP1 mRN/	-3.159391 Mm.104771
Mus musculus major histocompatibility locus clas	-3.150485 Mm.42790
Mus musculus aquaporin 1	-3.150298 Mm.18625
Mus musculus dopamine receptor 4	-3.130992 Mm.41075
acyl Coenzyme A dehydrogenase very long chair	-3.118539 Mm.18630
Mus musculus domesticus phosducin	-3.117836 Mm.1205
Mouse proprotein convertase 4	-3.103355 Mm.3251
M musculus activating transcription factor 4 Atf4	-3.064525 Mm.641
M musculus guanine nucleotide binding protein b	-3.057127 Mm.2344
guanine nucleotide binding protein beta 5Mm 47	-3.019427 Mm.4702
phosducin control	-3.019385
ESTsMm 38578	-3.016533 Mm.38578
Barstead bowel MPLRB9 IMAGE 1095982	-3.010124 AA871220
Mm 100212	-3.00196 Mm.100212
M musculus stromal cell derived factor recep	-2.997589 Mm.15125
ESTs Weakly similar to E04F6 2 gene product C	-2.972842 Mm.18889
IMAGE 963149 5	-2.962735 Mm.200518
RIKEN full length enriched adult male hypothalam	-2.957181 BB174200
syntaxin binding protein 1 Mm 3129	-2.942962 Mm.3129
solute carrier family 16 monocarboxylic acid trans	-2.938627 Mm.9086
Mouse mRNA for syntaxin 3D 1	-2.931811 Mm.203928
NCI CGAP Mam6 Mus IMAGE 3500058	-2.929883 Mm.41758
Homo sapiens mRNA for KIAA1549 protein	-2.892253 AB046769
ESTs Highly similar to TRICARBOXYLATE TRAI	-2.882701 Mm.229291
Bcl2 likeMm 3882	-2.8803 Mm.3882
Soares mouse p3NMF19 5 IMAGE 493296	-2.87024 Mm.30000
Mus musculus beta galactosidase complex	-2.862437 Mm.2040
H sapiens ADP ribosylation factor binding protein	-2.846426 AF190863
Mm 31266	-2.843047 Mm.164568
IMAGE 560050 5	-2.840336 Mm.138434
Mus musculus DXHXS6673E protein DXHXS667	-2.834658 Mm.23458
Homo sapiens CED 6 protein CED 6	-2.83329 NM_016315
M musculus very long chain acyl CoA dehydroger	-2.81797 Mm.18630
M musculus mRNA for hair keratin mHb6	-2.798388 Mm.157460
NCI CGAP BC3 Mus musculus cDNA clone IMAC	-2.792244 Mm.41744
Mus musculus thyroglobulin	-2.77505 Mm.12800

Figure 8. Genes shown which are differentially expressed at each time point.

ESTs Moderately similar to KIAA0956 protein H s	-2.772536 Mm.11428
H3050H05 3 NIA Mouse 15K cDNA Clone Set	-2.73877 Mm.33583
ESTs Moderately similar to signal recognition pa	-2.711059 Mm.32508
Mouse PSD 95 SAP90A	-2.709433 Mm.27256
ESTsMm 29308	-2.708851 Mm.29308
alkaline phosphatase 2 liverMm 1265	-2.704664 Mm.1265
Homo sapiens 12 seeders BAC RP11 19E18	-2.697067 AC009464.7
ESTsMm 41269	-2.694055 Mm.86311
ESTsMm 86724	-2.686977 Mm.86724
Homo sapiens 12q13 1 PAC RPC11 228P16	-2.683174 AC004801
serine threonine kinase receptor associated prot	-2.680196 Mm.22584
UI M BZ0 axl a 11 0 UI s1 NIH BMAP MHI2	-2.672475 Mm.86484
Mus musculus poly rC binding protein 2	-2.671906 Mm.111
IMAGE 4503171 5	-2.668357 Mm.102278
ESTsMm 35430	-2.66758 Mm.149904
activating transcription factor 4Mm 641	-2.665292 Mm.641
Mouse serine threonine phosphatase 2C	-2.659692 Mm.849
GAPDH control	-2.658689
Human mRNA for KIAA0299	-2.651157 AB002297
Rattus sp mRNA for BHF 1	-2.648223 D82074
ESTs Weakly similar to proline rich protein M mu	-2.646793 Mm.41665
Homo sapiens KIAA0009 gene product	-2.637523 NM_014637
megakaryocyte associated tyrosine kinaseMm 25	-2.635899 Mm.2918
homer neuronal immediate early gene 2Mm 228	-2.633096 Mm.228
peroxisomal farnesylated proteinMm 29198	-2.631105 Mm.144235
blank	-2.629869
zinc finger protein 238Mm 27962	-2.629828 Mm.27962
Homo sapiens MTA1 L1	-2.626566 AB012922
ESTs Highly similar to PHENYLALANYL TRNA s	-2.624861 Mm.27403
Rat microtubule associated protein 2 MAP2	-2.614894 U30938
M musculus X linked juvenile retinoschisis proteir	-2.611167 Mm.41982
timeless homolog Drosophila Mm 6458	-2.610294 Mm.6458
kinectin 1Mm 3110	-2.608757 Mm.3110
phosphatidylinositol membrane associatedMm 11	-2.60592 Mm.1860
R norvegicus CDP diacylglycerol synthase	-2.599505 AB009999
Homo sapiens DKFZp434A132	-2.589436 AL080188
Mus musculus hematopoietic zinc finger	-2.588044 Mm.14099
mitogen activated protein kinase kinase 7Mm 39	-2.572477 Mm.3906
H3110G03 3 NIA Mouse 15K cDNA	-2.556678 Mm.18539
ESTs Highly similar to HYPOTHETICAL 47 9 KD	-2.54901 Mm.30147
ESTs Highly similar to CELL GROWTH REGUL	-2.545497 Mm.28560
no match W	-2.544808 AK004032
Mouse endogenous murine leukemia virus polytrc	-2.540454 M17326
clone1110013A05	-2.540365 Mm.24117
Mus musculus topoisomerase DNA II beta	-2.538561 Mm.4093
R norvegicus ribonucleoprotein F	-2.537349 AB022209
aryl hydrocarbon receptorMm 4452	-2.523144 Mm.4452
peroxisome proliferator activated receptor alpha	-2.520245 Mm.1373
Mus musculus LAG protein Lag Rattus NMDA rec	-2.519719 Mm.41665
Mus musculus syntaxin binding protein 1	-2.516387 Mm.3129
Mus musculus MAP kinase phosphatase 6	-2.514023 Mm.142293
no homol3	-2.508532 NA

Figure 8. Genes shown which are differentially expressed at each time point.

Rattus norvegicus retina specific protein PAL	-2.501154	AB028461
no match33	-2.489541	NA
Mus musculus myc box dependent interacting prc	-2.482699	Mm.4383
Murine leukemia virus env1 envelope protein	-2.480653	AF136489
cytochrome c oxidase subunit VIIa 3Mm 2151	-2.476239	Mm.2151
proteasome prosome macropain subunit alpha ty	-2.475197	Mm.1007
Homo sapiens mRNA cDNA DKFZp434N1615	-2.474449	AL133061
Mus musculus TCR beta locus	-2.466856	AE000664
ESTs Weakly similar to LOK M musculus Mm 74	-2.464722	Mm.5935
small inducible cytokine subfamily A member 22f	-2.458803	Mm.12895
ESTsMm 23682	-2.444899	Mm.23682

UP

<u>PN35 dm gene list</u>	<u>Score</u>	<u>Acc</u>
ESTs Moderately similar to CALPONIN ACIDIC I	2.9450403	Mm.22171
Homo sapiens mRNA cDNA DKFZp586N1922	2.9541852	AL117468
collapsin response mediator protein 1Mm 22695	2.9601704	Mm.22695
Mus musculus clusterin	2.9797661	Mm.196344
insulin like growth factor binding protein 5Mm 57f	3.037562	Mm.578
ESTs Highly similar to neuroglycan C precursor f	3.0531956	Mm.38496
Mus musculus calpain 4	3.083038	Mm.6534
Homo sapiens RNA binding protein BRUNOL4	3.110126	AF248651
Mus musculus melastatin 1 Mlsn1	3.11908	Mm.38875
ceruloplasminMm 13787	3.1194038	Mm.13787
Human hBOIT brain type organic ion transporter	3.1242378	NM_016609
ESTs Weakly similar to delta 6 fatty acid desatur.	3.1377698	Mm.30158
Mouse cysteine rich glycoprotein	3.168137	Mm.35439
ESTsMm 43499	3.1895611	Mm.43499
Rattus norvegicus CD44 protein	3.2011246	U96138
dickkopf homolog 3 Xenopus laevis Mm 55143	3.2794116	Mm.55143
M musculus G protein coupled receptor 37	3.2905562	Mm.20465
UI M BH3 aun e 05 0 UI s1 NIH BMAP M S4	3.322138	Mm.102181
M musculus secreted acidic cysteine rich glycopr	3.3236783	Mm.35439
nuclear receptor co repressor 1Mm 88061	3.3280247	Mm.88061
protein L isoaspartate D aspartate O methyltrans	3.3616342	Mm.25293
ribosomal protein mitochondrial S7Mm 29902	3.40373	Mm.29902
Mm 104779	3.4123175	Mm.180060
tropomodulin 2Mm 44216	3.4351252	Mm.44216
M musculus insulin like growth factor binding prot	3.4936093	Mm.578
UI M BH3 avk f 09 0 UI s1 NIH BMAP M S4	3.5494953	Mm.191030
Mus musculus secreted acidic cysteine rich gly	3.6342284	Mm.35439
ESTs Highly similar to EXCITATORY AMINO AC	3.7110448	Mm.33356
Homo sapiens KIAA1077 protein	3.7547921	Hs.70823
Mus musculus sulfated glycoprotein 2 isoform 2	3.8401459	Mm.196344
stearoyl Coenzyme A desaturase 2Mm 298	3.8950471	Mm.298
M musculus dickkopf homolog 3 Dkk 3	3.9565616	Mm.55143
anti oxidant protein 2Mm 6587	3.9847248	Mm.6587
Mus musculus transketolase Tkt	3.9965781	Mm.154387
Mus musculus vimentin	4.1866373	Mm.7
L0283F10 3 Mouse Newborn Ovary cDNA Library	4.3364522	Mm.181969

Figure 8. Genes shown which are differentially expressed at each time point.

DOWN

<u>PN50 dm gene list</u>	<u>Score</u>	<u>Acc</u>
heat shock protein 60 kDa Mm 1777	-9.373989	Mm.1777
no match I	-8.427714	NA
IMAGE 4505626 5 602393946F1 NIH MGC 94	-7.51151	BG296148
Mouse opsin MOPS	-7.327208	Mm.2965
Mus musculus homeodomain protein crx	-6.514586	Mm.8008
IMAGE 4225062 5	-6.086603	Mm.30866
ESTs Highly similar to HYPOTHETICAL 37 2 KD	-6.004458	Mm.229919
M musculus brain cyclic nucleotide gated K	-5.969397	Mm.8010
vitronectin Mm 3667	-5.904438	Mm.3667
IMAGE 4505626 5	-5.74626	BG296148
Homo sapiens mRNA for KIAA1549 protein	-5.703699	AB046769
Rattus sp mRNA for BHF 1	-5.634715	D82074
Homo sapiens CGI 45 protein	-5.288714	AF151803
M musculus chr 10 clone RP21 39C4	-5.253095	AC0092954
NCI CGAP BC3 Mus musculus cDNA clone IMAC	-5.197513	Mm.41744
guanylate cyclase activator 1a retina Mm 16224	-5.070604	Mm.16224
M musculus guanine nucleotide binding protein b	-5.057429	Mm.2344
hemoglobin Y beta like embryonic chain Mm 358	-4.884135	Mm.35830
Mus musculus cytochrome P450 2f2 Cyp2f2	-4.790519	Mm.4515
lactate dehydrogenase 1 A chain Mm 26504	-4.734298	Mm.220177
UI M BZ1 bk v b 01 0 UI 3	-4.582183	Mm.8180
IMAGE 1348390 5	-4.565665	Mm.29308
regulator of G protein signaling 9 Mm 38548	-4.55352	Mm.38548
ESTs Highly similar to 40 KD PEPTIDYL PROLY	-4.435078	Mm.30242
Mus musculus retinal taurine transporter	-4.334696	Mm.200518
M musculus X linked juvenile retinoschisis proteir	-4.334285	Mm.41982
Mus musculus karyopherin importin alpha 2 Kpna	-4.283717	Mm.12508
Mouse nuclear protein mdm 1	-4.227808	Mm.2003
R norvegicus aryl hydrocarbon interacting protein	-4.211309	NM_021590
Mouse mRNA for syntaxin 3D 1	-4.210917	Mm.203928
Mus musculus ELOVL4	-4.181602	Mm.83949
no match H	-4.105327	NA
Danio rerio brain type fatty acid binding protein	-4.056481	AF237712
Mus musculus kinectin 1	-4.028583	Mm.3110
Mus musculus DXHXS6673E protein DXHXS667	-4.011419	Mm.23458
Mm 23086	-3.92293	Mm.23086
Mus musculus neural retina leucine zipper gene	-3.891474	Mm.20422
high mobility group protein I isoform CMm 3953	-3.868274	Mm.3953
Mus musculus retinal S antigen	-3.864589	Mm.1276
no match55	-3.849797	NA
Mus musculus hexokinase 1 Hk1	-3.843638	Mm.196605
Mus musculus TPA regulated locus	-3.838957	Mm.790
Rattus norvegicus TM6P1 TM6P1	-3.80801	AF186469
ESTs Weakly similar to proline rich protein M mu	-3.797287	Mm.41665
prominin Mm 6250	-3.731186	Mm.6250
protein kinase cAMP dependent catalytic alpha M	-3.725992	Mm.22479
Mus musculus phosphatidylinositol membrane as	-3.71007	Mm.1860

Figure 8. Genes shown which are differentially expressed at each time point.

Mus musculus cDNA sequence AF244542	-3.690346 Mm.24541
no match G	-3.611037 AK004032
ESTsMm 33788	-3.540804 Mm.33788
M musculus photoreceptor specific protein PSP C	-3.47589 Mm.78749
M musculus male germ cell associated kinase	-3.467469 Mm.8149
Rattus norvegicus NMDA receptor subunit NR2	-3.45362 L31611
homeodomain interacting protein kinase 2Mm 20	-3.449878 Mm.20934
proteasome prosome macropain subunit alpha ty	-3.431202 Mm.1007
Mouse heparin binding epidermal growth factor li	-3.427386 Mm.4661
Homo sapiens cDNA DKFZp586B0924	-3.424213 AL137644
Human karyopherin beta2 importin	-3.401629 U72069
M musculus very long chain acyl CoA dehydroger	-3.39274 Mm.18630
ESTsMm 103333	-3.389826 Mm.230796
IMAGE 4507893 5	-3.384021 Mm.69061
Soares mammary gland NMLMG IMAGE 346714	-3.361209 Mm.17903
Mus musculus dopamine receptor 4	-3.35905 Mm.41075
ESTs Weakly similar to HYPOTHETICAL 16 1 K	-3.357 Mm.27114
IMAGE 963149 5	-3.329865 Mm.200518
Mouse magnesium dependent protein	-3.329654 Mm.849
R norvegicus CDP diacylglycerol synthase	-3.307369 AB009999
Mus musculus prominin Prom	-3.305134 Mm.6250
Mus musculus FXD dom containing ion transpo	-3.286524 Mm.1870
Mus musculus beta galactosidase complex	-3.283552 Mm.2040
RNA polymerase II transcriptional coactivatorMm	-3.276041 Mm.41746
megakaryocyte associated tyrosine kinaseMm 29	-3.270484 Mm.2918
retinitis pigmentosa GTPase regulator interacting	-3.267299 Mm.21662
cloneE130113K08	-3.263954 Mm.101711
clone1110013A05	-3.240814 Mm.24117
IMAGE 4507284 5	-3.23823 Mm.69061
ESTsMm 32460	-3.218332 Mm.32460
Mus musculus aquaporin 1	-3.213329 Mm.18625
N myc downstream regulated 3Mm 36775	-3.185632 Mm.36775
no homol6	-3.118521 NA
ESTs Weakly similar to ZW10 interactor Zwint H	-3.117631 Mm.38994
Mus musculus BUB2 like protein 1 HBLP1 mRN/	-3.11515 Mm.104771
IMAGE 4511806 5	-3.107312 Mm.122087
clone 2700067D09	-3.093507 Mm.29333
ESTsMm 30480	-3.07818 Mm.206003
Mus musculus mRNA for Lim homeodomain prot	-3.063027 Mm.42242
Mus musculus domesticus phosducin	-3.055506 Mm.1205
Homo sapiens MTA1 L1	-3.040517 AB012922
Mus musculus exostoses multiple 1 Ext1	-3.007985 Mm.1424
H sapiens ADP ribosylation factor GTPase activa	-3.00247 NM_014570
Mouse proprotein convertase 4	-2.992518 Mm.3251
Mus elongation of very long chain fatty acids	-2.984944 Mm.2567
no match33	-2.973954 NA
Mus musculus poly rC binding protein	-2.951882 Mm.111
H sapiens ADP ribosylation factor binding protein	-2.942045 AF190863
Mouse serine threonine phosphatase 2C	-2.942024 Mm.849
Mouse Y box binding protein 1 DNA binding MSY	-2.930654 Mm.21054
M musculus stromal cell derived factor recep	-2.916574 Mm.15125
RAB10 member RAS oncogene familyMm 9455	-2.904887 Mm.181005

Figure 8. Genes shown which are differentially expressed at each time point.

Homo sapiens KIAA0249 gene product	-2.903339 NM_014646
Mus musculus Ran binding protein 2	-2.895464 AF279458
erythrocyte protein band 4 1Mm 30038	-2.891794 Mm.30038
Mm 100212	-2.877004 Mm.100212
Mus musculus syntaxin binding protein 1	-2.866345 Mm.3129
R norvegicus ribonucleoprotein F	-2.837424 AB022209
Homo sapiens splicing factor 3b subunit 3	-2.825175 NM_012426
Rat transcription factor RZR beta gene	-2.82439 L14610
Mus musculus histidine decarboxylase cluster	-2.795985 Mm.18603
ESTsMm 11285	-2.791021 Mm.11285
Mus musculus drebrin A mRNA complete cdsMn	-2.788476 Mm.19016
RIKEN full length enriched adult male hypothalam	-2.788194 BB174200
Homo sapiens cDNA FLJ21612 fis clone COL073	-2.786946 AK025265
alpha tubulin	-2.776731 NA
UI M BH2 3 aqc g 10 0 UI 5	-2.769635 Mm.27462
Rattus norvegicus APP binding protein 1	-2.739483 U90829
Mus musculus beta site APP cleaving enzyme	-2.727197 Mm.24044
DNA methyltransferase cytosine 5 Mm 7814	-2.722186 Mm.7814
ESTs Moderately similar to stromelysin PDGF re	-2.717132 Mm.38372
no match66	-2.706759 NA
ESTs Weakly similar to Lpi2p S cerevisiae Mm 2	-2.678803 Mm.213090
Human mRNA for KIAA0299	-2.677045 AB002297
Mus musculus N myc downstream regulated 1	-2.669388 Mm.4063
R norvegicus phosphatidylinositol synthase	-2.65637 AB022890
ribonuclease L 2 5 oligoadenylate synthetase	-2.623139 Mm.5831
Mm 104074	-2.620858 Mm.26609
Homo sapiens 12 seeders BAC RP11 19E18	-2.602544 AC009464.7
H sapiens protein phosphatase 2A regulatory sub	-2.600003 NM_021131
H3147A11 5 NIA Mouse 15K cDNA Clone Set	-2.58678 Mm.28184
cytochrome c oxidase subunit VIIa 3Mm 2151	-2.585931 Mm.2151
H3087H01 5 NIA Mouse 15K cDNA Clone Set	-2.584026 Mm.25963
Mus musculus Y box transcription factor	-2.562925 Mm.21054
Mus musculus hematopoietic zinc finger	-2.562421 Mm.14099
Mouse gene for basigin	-2.561113 Mm.726
Mm 44404	-2.554924 Mm.9336
Homo sapiens mRNA for FLJ00042 protein	-2.55128 AK024450
Homo sapiens KIAA0009 gene product	-2.531945 NM_014637
R norvegicus nup155 nucleoporin 155kD	-2.521122 Z21780
ESTs Weakly similar to nuclear poly C binding pr	-2.512416 Mm.29707
ESTsMm 31374	-2.510662 Mm.31374
torsin family 1 member AMm 29151	-2.508905 Mm.29151
tubby like protein 1 Mm 42102	-2.508707 Mm.42102
Mus musculus topoisomerase DNA II beta	-2.507861 Mm.4093
R norvegicus RNA binding protein SiahBP	-2.506369 AF165892
UI M BZ0 axj h 06 0 UI 3	-2.504946 Mm.36410
Finkel Biskis Reilly murine sarcoma virus FBR M	-2.492391 Mm.4890
Mus musculus pyruvate kinase 3	-2.477151 Mm.2635

UP

PN50 dm gene list

Score

Acc

Figure 8. Genes shown which are differentially expressed at each time point.

Mus musculus neuron specific gene family memb	2.8229396 Mm.3304
prostaglandin D2 synthase 21 kDa brain Mm 100	2.8694808 Mm.1008
Mus neural cell adhesion molecule NCAM 140	2.8736351 Mm.4974
Mouse brain specific small RNA	2.8801002 Y00510
Mus musculus protein phosphatase 2	2.8825162 Mm.1034
farnesyl diphosphate farnesyl transferase 1Mm 3	2.8870479 Mm.3204
Mmusculus proteolipid M6B isoform TMD psi M6f	2.8996477 AF254877
Mouse brain neurofilament L	2.9214314 Mm.1956
brain protein E46Mm 4098	2.9253509 Mm.4098
Rattus norvegicus Spinophilin mRNA	2.9335829 AF016252
ESTsMm 5258	2.9385215 Mm.63881
ESTsMm 17436	2.952225 Mm.17436
Mouse heat shock protein hsp84	2.9824575 Mm.2180
no match71	2.9933156 NA
Mm 29846	3.0024374 Mm.29846
R norvegicus n chimaerin	3.0122154 X67250
ESTsMm 10641	3.0174409 Mm.29901
Mus musculus protein tyrosine phosphatase	3.0180312 Mm.40277
Mm 100761	3.0290144 Mm.135114
H sapiens transmembrane 4 superfamily member	3.0323376 NM_003271
H sapiens chromosome 3 clone RP11 19E8 map	3.0429901 AC034186.4
ESTsMm 26680	3.0733869 Mm.26680
UI M BH3 avk f 09 0 UI s1 NIH BMAP M S4	3.0807517 Mm.191030
ESTs Moderately similar to PRAJA1 M musculus	3.0956104 Mm.41711
Homo sapiens RNA binding protein BRUNOL4	3.1248768 AF248651
actin beta cytoplasmicMm 103618	3.1393063 Mm.297
NCK associated protein 1Mm 25203	3.1526846 Mm.25203
Mus musculus transcription factor 4 Tcf4	3.1696487 Mm.4269
ESTsMm 39985	3.1741787 Mm.219489
Mouse mRNA for OSF 1	3.2050372 Mm.3063
ESTsMm 27030	3.2442221 Mm.9334
Mouse cysteine rich glycoprotein	3.2661247 Mm.35439
ESTsMm 71533	3.2690155 Mm.71533
H sapiens membrane glycoprotein M6	3.289003 D49958
Human hBOIT brain type organic ion transporter	3.2897471 NM_016609
dickkopf homolog 3 Xenopus laevis Mm 55143	3.2937348 Mm.55143
no match23	3.3370913 NA
DNA segment Chr 19 Wayne State University 55	3.362324 Mm.29835
Mus musculus calpain 4	3.373762 Mm.6534
ESTs Highly similar to EXCITATORY AMINO AC	3.3946116 Mm.33356
Ca2 dependent activator protein for secretionMm	3.4046903 Mm.5058
oxidative stress inducedMm 9846	3.4204525 Mm.200125
adducin 1 alpha Mm 29052	3.420832 Mm.29052
ESTs Weakly similar to ORF YKR092c S cerevis	3.4440996 Mm.24356
Mus musculus membrane protein TMS 2 mRNA	3.4471373 Mm.29344
R norvegicus neurodegeneration associated prote	3.4843547 D32249
glutamine synthetaseMm 2338	3.5285783 Mm.2338
ESTsMm 24254	3.5765207 Mm.24254
Mus musculus clusterin	3.5883813 Mm.196344
Mouse beta tubulin gene M beta 4 3 end	3.6804583 Mm.7420
Mus musculus vimentin	3.8630245 Mm.7
Homo sapiens mRNA cDNA DKFZp586N1922	4.0141274 AL117468

Figure 8. Genes shown which are differentially expressed at each time point.

ESTsMm 27467	4.0303734 Mm.27467
Mus musculus mRNA for profilin II pfn2 gene Mn	4.1497771 Mm.20399
protein L isoaspartate D aspartate O methyltrans	4.335054 Mm.25293
ESTsMm 41819	4.5925866 Mm.226753
ESTs Weakly similar to p190 B M musculus Mm	4.6391831 Mm.41190
anti oxidant protein 2Mm 6587	4.6554276 Mm.6587
Mus musculus sulfated glycoprotein 2 isoform 2	4.7353198 Mm.196344
ESTs Highly similar to zyginI R norvegicus Mm 5.	5.1948107 Mm.5264
calmodulinMm 2648	5.2595868 Mm.34246
Homo sapiens membrane glycoprotein M6	5.3664207 D49958